

OFFICE OF THE NAGAR PALIK NIGAM, KORBA (C.G.)

ABSTRACT

Name of Work : **TARRING WORK OF ROAD FROM SEMIPALI CHOWK TO SALIHABHATA ROAD VIA PEEPAL CHOWK AT WAD NO 55**
 As per SOR : **SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01-01-2025]**

| S.N | REF | ITEM DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|---------|------------|
| 1 | 3.2 | Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all leads & lifts as per relevant clauses of section 300. | Cum. | 108 | 103.00 | 11,124.00 |
| 2 | 3.11 | Scarifying Existing bituminous surface to a depth of 50 mm Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all leads & lifts. | Sqm. | 640 | 21.00 | 13,440.00 |
| 3 | 3.10 | Scarifying Existing Granular surface to a Depth of 50 mm Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all leads & lifts. | Sqm. | 425 | 30.00 | 12,750.00 |
| 4 | 3.12 | Construction of embankment with Material Obtained from Borrow Pits/Borrow Area Construction of embankment with approved material/selected soil having C.B.R. > 5 (unless specified otherwise in the contract) obtained from borrow pits/borrow area with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2. | Cum. | 127.5 | 238.00 | 30,345.00 |
| 5 | 4.1 | Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401. | | | | |
| | (a) | For Sub-base cum drainage layer or upper sub-base with | | | | |
| | (ii) | Grading- IV Material | Cum. | 102 | 1586.00 | 161,772.00 |
| 6 | 4.6 | Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in subbase / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406. | Cum. | 100.5 | 1606.00 | 161,403.00 |
| 7 | 4.11 | Construction of Shoulders Construction of shoulders with selected soil from borrow pits / borrow areas having CBR not less than 12 and shall have L.L. and P.I. not more than 25% and 6% respectively, inclusive of all leads and lifts, including clearing and scrapping of existing surface, providing required cross fall, compacting, watering, rolling etc. complete as per clause 408. | | | | |
| | B | With Smooth wheeled roller | Cum. | 166.25 | 313.00 | 52,036.25 |
| 8 | 5.1 | Prime coat Providing and applying primer coat with bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular base including clearing of road surface and spraying primer using mechanical means as per clause 502. | | | | |
| | | (i) on WBM / WMM surface @0.85 kg/ sqm. | Sqm. | 670 | 77.00 | 51,590.00 |
| 9 | 5.2 | Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as | | | | |

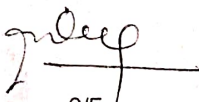
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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|---------|------------|
| | per clause 503. | | | | |
| | (i) Bituminous surface @ 0.25 kg / Sqm | Sqm. | 1591.25 | 15.00 | 23,868.75 |
| 10 | 5.5 Dense Bituminous Macadam (Providing and laying dense graded bituminous macadam with 100-120 TPH capacity Batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. | | | | |
| | B With mechanical paver finisher | | | | |
| | (ii) for Grading II (26.5 mm nominal size bitumen content 4.50%) | Cum. | 78.37 | 8484.00 | 664,891.08 |
| 11 | 5.7 Bituminous Concrete Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects. | | | | |
| | B With Mechanical paver | | | | |
| | (iii) for Grading II (13.2 mm nominal size aggregate) with bitumen 6.0 % | Cum. | 47.02 | 9607.00 | 451,721.14 |
| 12 | 8.22 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound as per MoRTH Grade 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, | Sqm. | 95 | 627.00 | 59,565.00 |

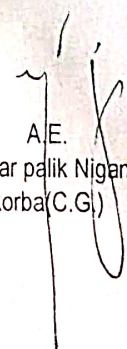
As per Estimate Amount Rs. 1694506.22

Add GST 18% (+) 305011.11

1999517.35

Say Rs 20,00,000 = ∞


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Nagar Palik Nigam
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